

IN THE CLAIMS

Please amend the claims as follows:

1-15. (Cancelled)

16. (Currently Amended) A system for delivering RF energy to an endocardial tissue, the system comprising:

a catheter having one or more electrodes proximate a distal end of the catheter, the catheter ~~adapted~~ configured for being positioned such that the one or more electrodes are adjacent the endocardial tissue, at least one of the electrodes including a tip electrode having a thermal time constant of approximately 240 ms; and

a power control system configured to provide power to the tip electrode, the power having a plurality of alternating on portions and off portions, one set of adjacent on and off portions defining a duty cycle;

wherein the power control system delivers an energy pulse of between approximately 0.01 ms to 4 ms via the tip electrode, and the on portions and off portions of the duty cycle have a ratio of between 50% - 100%.

17. (Previously Presented) The system of claim 16, wherein the duty cycle chosen ranges from 80% to 100%.

18. (Currently Amended) The system of claim 16, wherein the ~~platinum~~ tip electrode includes an approximately 5 mm tip with a diameter of approximately .094 inches.

19. (Previously Presented) The system of claim 16, wherein the RF energy has a period of between 120 ms and 240 ms.

20. (Previously Presented) The system of claim 16, wherein the RF energy has a period of greater than 240 ms.

21. (Currently Amended) The system of claim 16, wherein ~~one of the one or more electrode~~ includes a tip electrode the duty cycle ranges from 80% to 100%.

22. (Original) The system of claim 16, wherein one of the one or more electrodes includes a ring electrode.

23-28. (Cancelled)